MiniPak

USER GUIDE

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SYSTEM OVERVIEW

The MiniPak micro-fuel cell power supply is a universal handheld charger and power extender compatible with any device with a USB power or charging capability. The system includes several adaptor tips that help extend the off-grid usability of cellphones or smartphones and can power numerous devices that have a USB or Micro-USB power port.

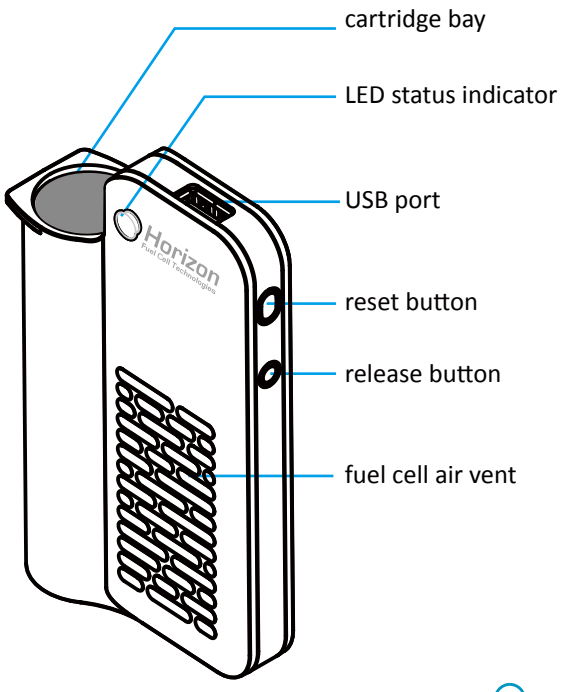
Please read the following information carefully to avoid potential misuse or damage to the device.

LED status indicator light:

- Flashing red = please wait
- Flashing blue = MiniPak ready
- Continuous blue light = MiniPak functioning

Accessories included in this box:

- Two HYDROSTIK cartridges
- MiniPak sealable storage pouch
- Cellphone charging adaptor tips:
  - NOKIA N70, Sony Ericsson, MOTO V3 Series, MICRO USB, LG Chocolate, IPHONE/IPOD



SPECIFICATIONS

MiniPak® handheld fuel cell power supply	
Rated Net Power	1.5W
Voltage Output	5V
Size (Dimensions)	10.6 in^3 (4x2.6x1 in) / 176 cm^3 (10.4x6.8x2.5 cm)
Weight (without cartridge)	2.8 oz / 118g
Weight (with cartridge)	5.4 oz / 210g
Electrical Interface	USB port
User Interface	LED status indicator
Operating Environment	0-40℃

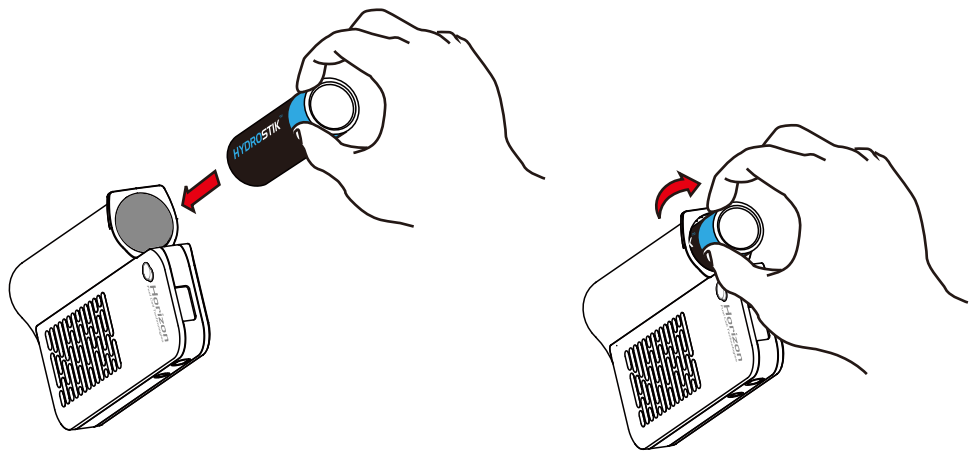
HYDROSTIK™ cartridges	
Type	Solid state metal hydride
Capacity	12Wh
H2 cartridge size	Ø22 x 81mm
H2 cartridge weight	90g

SAFETY & MAINTENANCE: Read carefully before proceeding

- Read and understand the user guide prior to operation.
- Keep away from children
- Do not tamper, disassemble or puncture the MiniPak or HYDROSTIK cartridge.
- Keep MiniPak and HYDROSTIK away from fire, open flame, or heat source.
- Wait for LED indicator to flash blue before connecting external devices. Do not connect while red light is flashing.
- Remove HYDROSTIK cartridge immediately after use.
- Do not keep used or empty HYDROSTIK cartridges connected to MiniPak.
- Carefully store the MiniPak after use (use the provided storage pouch.)
- Avoid pressing the Release Button for longer than one second once HYDROSTIK is connected.
- After use, disconnect the HYDROSTIK by turning it counter-clockwise until the indicator light turns off.

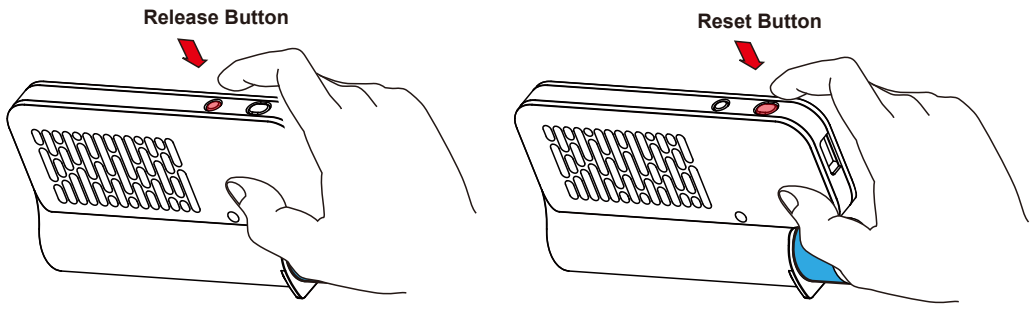
ACTIVATING THE MINIPAK

A. Insert HYDROSTIK cartridge into the cartridge bay and turn clockwise until connection is tight.
Once connected the LED status indicator light should start flashing red.
Wait for flashing red light to flash blue prior to further operation.



Warning: **check expiration date on the cartridge. If expiration date is past, please replace.**

B. Once the blue light is flashing, briefly press the **Release Button** (for less than one second)
Warning: **To avoid permanent damage to the system - do not press for more than 1 second**



If the light continues flashing red, press down the RESET button for one second, then wait for the light to start flashing blue before further operation.

NOTES:

- To avoid permanent damage to your MiniPak, please make sure the HYDROSTIK cartridge is disconnected from the MiniPak system immediately after use, even if it is fully depleted. Failing to do so will permanently damage your MiniPak.

- Air vents located on either side of the MiniPak need easy access to breathe ambient air. Do not obstruct these air vents or performance will drop.

- Fuel cells combine hydrogen and oxygen to form water, heat and electricity, therefore the MiniPak will produce tiny amount of water vapor when in use, as well as some heat. These are normal occurrences.

STORING YOUR MINIPAK AFTER USE

A. Make sure the HYDROSTIK cartridge is fully disconnected and removed from the MiniPAK. Failing to disconnect the cartridge from the MiniPak will permanently damage your device.

B. Make sure to place MiniPak in the **storage pouch** provided and seal tight for storage after use.

REPLACING USED CARTRIDGES

A HYDROFILL charging system (sold separately) can recharge your HYDROSTIK cartridges. Check with your vendor for details.

B. Contact your vendor for local replenishment solutions near you.

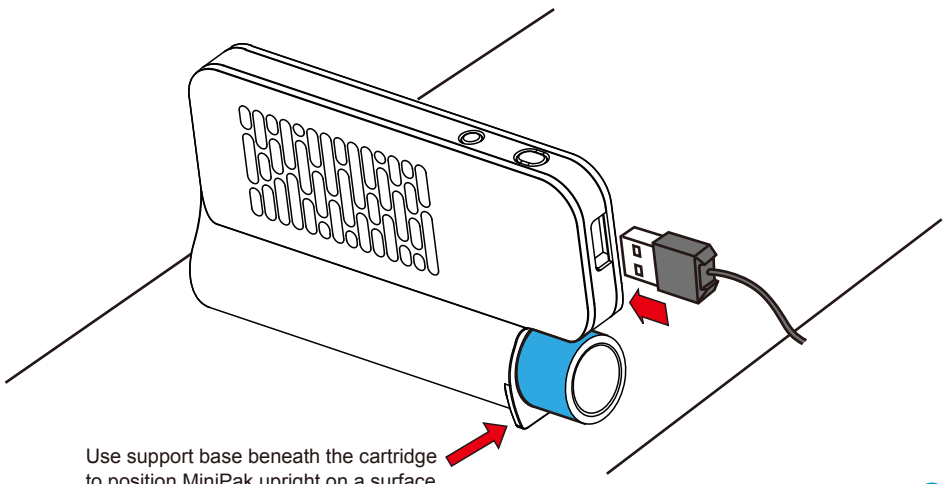
USING THE MINIPAK TO CHARGE OR POWER YOUR DEVICES

A. The HYDROSTIK cartridge should be connected and a blue light should be flashing.
(Do not connect if red light is still flashing)

B. Plug your USB adaptable devices to the USB socket on the MiniPak.

C. Place your MiniPak in an upright position on a planar surface.

D. After use, disconnect the HYDROSTIK by turning it counter-clockwise until the indicator light turns off.



Use support base beneath the cartridge to position MiniPak upright on a surface.

TROUBLESHOOTING

• INDICATOR LIGHT CONTINUES TO FLASH RED, DOES NOT FLASH BLUE

Solution 1: The MiniPak must be placed in an upright position. Both air vents located on either side of the MiniPak should have easy access to surrounding air.

Solution 2: Briefly press the release button to check for a release sound. If no release sound, your cartridge is empty and needs to be charged.

Solution 3: Remove the cartridge from MiniPak, then reconnect and restart the MiniPak activation step (1).

• INDICATOR LIGHT DOES NOT TURN ON AFTER HYDROSTIK CARTRIDGE IS CONNECTED

Solution 1: Make sure HYDROSTIK cartridge is connected tightly to the MiniPak.

Solution 2: Briefly press the release button and check for an air-release sound.

Solution 3: Change to fully charged HYDROSTIK cartridge.

Solution 4: You may have left the cartrige connected to the MiniPak without using the system, leading to permanent damage. Please contact your vendor.

• WATER STARTS TO FORMUNDER THE MINIPAK

Solution: Position the MiniPak upright during operation so both its air vents can access ambient air.

• MY DEVICE DOES NOT CHARGE WHILE THE BLUE INDICATOR LIGHT IS ON

Solution: Check all the connections. Also be sure that the device to be charged or powered is suitable for MiniPak power output.

• THE MINIPAK SURFACE IS HOT

Solution: The fuel cell will heat up during operation, this is a normal occurance.